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Sequence Listing could not be accepted due to errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: Tue Sep 25 12:12:43 EDT 2007

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Reviewer Comments:

? ?

Delete the Non Ascii characters appears above the headings.

?? ?? ?C# hC# h * + O s ? ? ? ? N P ? ?

/

0

>

?

Please delete the end of file text which appears below seq id 656

And save the file in ASCII txt mode

delete the extra heading inserted in the sequence listing which appears one below the other.

Application No: 10576331 Version No: 1.0

Input Set:**Output Set:**

Started: 2007-09-12 13:26:32.596
Finished: 2007-09-12 13:27:06.289
Elapsed: 0 hr(s) 0 min(s) 33 sec(s) 693 ms
Total Warnings: 2355
Total Errors: 342
No. of SeqIDs Defined: 656
Actual SeqID Count: 656

Error code	Error Description
W 402	Undefined organism found in <213> in SEQ ID (1)
W 402	Undefined organism found in <213> in SEQ ID (2)
W 402	Undefined organism found in <213> in SEQ ID (3)
W 402	Undefined organism found in <213> in SEQ ID (4)
W 402	Undefined organism found in <213> in SEQ ID (5)
W 402	Undefined organism found in <213> in SEQ ID (6)
W 402	Undefined organism found in <213> in SEQ ID (7)
W 402	Undefined organism found in <213> in SEQ ID (8)
W 402	Undefined organism found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 402	Undefined organism found in <213> in SEQ ID (12)
E 355	Empty lines found between the amino acid numbering and the
E 321	No. of Bases conflict, this line has no nucleotides SEQID (12)
W 402	Undefined organism found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
W 402	Undefined organism found in <213> in SEQ ID (18)

Input Set:

Output Set:

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Error code	Error Description
E 355	Empty lines found between the amino acid numbering and the
E 321	No. of Bases conflict, this line has no nucleotides SEQID (34)
W 402	Undefined organism found in <213> in SEQ ID (37)
W 402	Undefined organism found in <213> in SEQ ID (38)
W 402	Undefined organism found in <213> in SEQ ID (40)
E 355	Empty lines found between the amino acid numbering and the
E 321	No. of Bases conflict, this line has no nucleotides SEQID (40)
W 213	Artificial or Unknown found in <213> in SEQ ID (45)
W 213	Artificial or Unknown found in <213> in SEQ ID (46)
W 213	Artificial or Unknown found in <213> in SEQ ID (47)
W 213	Artificial or Unknown found in <213> in SEQ ID (48)
W 213	Artificial or Unknown found in <213> in SEQ ID (49)
W 213	Artificial or Unknown found in <213> in SEQ ID (50)
W 213	Artificial or Unknown found in <213> in SEQ ID (51)
W 213	Artificial or Unknown found in <213> in SEQ ID (52)
W 402	Undefined organism found in <213> in SEQ ID (61)
W 402	Undefined organism found in <213> in SEQ ID (62)
E 355	Empty lines found between the amino acid numbering and the
E 321	No. of Bases conflict, this line has no nucleotides SEQID (62)
W 402	Undefined organism found in <213> in SEQ ID (65)
W 402	Undefined organism found in <213> in SEQ ID (66)
W 402	Undefined organism found in <213> in SEQ ID (69) This error has occurred more than 20 times, will not be displayed

Input Set:

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Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (79)
W 213	Artificial or Unknown found in <213> in SEQ ID (80)
W 213	Artificial or Unknown found in <213> in SEQ ID (81)
W 213	Artificial or Unknown found in <213> in SEQ ID (82)
W 213	Artificial or Unknown found in <213> in SEQ ID (83)
W 213	Artificial or Unknown found in <213> in SEQ ID (84) This error has occurred more than 20 times, will not be displayed
E 341	'Xaa' position not defined SEQID (125) POS (170)
E 341	'Xaa' position not defined SEQID (125) POS (171)
E 341	'Xaa' position not defined SEQID (125) POS (172)
E 341	'Xaa' position not defined SEQID (125) POS (173)
E 341	'Xaa' position not defined SEQID (125) POS (174)
E 341	'Xaa' position not defined SEQID (125) POS (175)
E 341	'Xaa' position not defined SEQID (125) POS (176)
E 341	'Xaa' position not defined SEQID (125) POS (177)
E 341	'Xaa' position not defined SEQID (125) POS (178)
E 341	'Xaa' position not defined SEQID (125) POS (179)
E 341	'Xaa' position not defined SEQID (125) POS (180)
E 341	'Xaa' position not defined SEQID (125) POS (181)
E 341	'Xaa' position not defined SEQID (125) POS (182)
E 341	'Xaa' position not defined SEQID (125) POS (183)
E 341	'Xaa' position not defined SEQID (125) POS (184)
E 341	'Xaa' position not defined SEQID (125) POS (185)

Input Set:

Output Set:

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Actual SeqID Count: 656

Error code	Error Description
E 341	'Xaa' position not defined SEQID (125) POS (186)
E 341	'Xaa' position not defined SEQID (125) POS (187)
E 341	'Xaa' position not defined SEQID (125) POS (188)
E 341	'Xaa' position not defined SEQID (125) POS (189) This error has occurred more than 20 times, will not be displayed
W 112	Upper case found in data; Found at position(977) SEQID(656)
W 112	Upper case found in data; Found at position(1528) SEQID(656)
W 112	Upper case found in data; Found at position(1930) SEQID(656)
W 112	Upper case found in data; Found at position(1950) SEQID(656)
W 112	Upper case found in data; Found at position(2002) SEQID(656)
W 112	Upper case found in data; Found at position(2030) SEQID(656)
W 112	Upper case found in data; Found at position(2440) SEQID(656)
W 112	Upper case found in data; Found at position(2452) SEQID(656)
W 112	Upper case found in data; Found at position(2496) SEQID(656)
W 112	Upper case found in data; Found at position(2500) SEQID(656)
W 112	Upper case found in data; Found at position(2504) SEQID(656)
W 112	Upper case found in data; Found at position(2531) SEQID(656)
W 112	Upper case found in data; Found at position(2552) SEQID(656)
W 112	Upper case found in data; Found at position(2941) SEQID(656)
W 112	Upper case found in data; Found at position(2945) SEQID(656)
W 112	Upper case found in data; Found at position(2966) SEQID(656)
W 112	Upper case found in data; Found at position(2991) SEQID(656)
W 112	Upper case found in data; Found at position(3015) SEQID(656)

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Error code	Error Description
W 112	Upper case found in data; Found at position(3043) SEQID(656)
W 112	Upper case found in data; Found at position(3047) SEQID(656) This error has occurred more than 20 times, will not be displayed
E 342	'n' position not defined found at POS: 4496 SEQID(656)
E 342	'n' position not defined found at POS: 9429 SEQID(656)
E 342	'n' position not defined found at POS: 12391 SEQID(656)
E 342	'n' position not defined found at POS: 12931 SEQID(656)
E 342	'n' position not defined found at POS: 19721 SEQID(656)
E 342	'n' position not defined found at POS: 30772 SEQID(656)
E 342	'n' position not defined found at POS: 30776 SEQID(656)
E 342	'n' position not defined found at POS: 30779 SEQID(656)
E 342	'n' position not defined found at POS: 30783 SEQID(656)
E 342	'n' position not defined found at POS: 30787 SEQID(656)
E 342	'n' position not defined found at POS: 30791 SEQID(656)
E 342	'n' position not defined found at POS: 30795 SEQID(656)
E 342	'n' position not defined found at POS: 30799 SEQID(656)
E 342	'n' position not defined found at POS: 30803 SEQID(656)
E 342	'n' position not defined found at POS: 30807 SEQID(656)
E 342	'n' position not defined found at POS: 30811 SEQID(656)
E 342	'n' position not defined found at POS: 30815 SEQID(656)
E 342	'n' position not defined found at POS: 30819 SEQID(656)
E 342	'n' position not defined found at POS: 30823 SEQID(656)
E 342	'n' position not defined found at POS: 30827 SEQID(656)

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Error code	Error Description
E 259	Found undefined lettercode; POS (90993) SEQID(656)
E 259	Found undefined lettercode; POS (90994) SEQID(656)
E 259	Found undefined lettercode; POS (90995) SEQID(656)
E 259	Found undefined lettercode; POS (90996) SEQID(656)
E 259	Found undefined lettercode; POS (90997) SEQID(656)
E 259	Found undefined lettercode; POS (90998) SEQID(656)
E 259	Found undefined lettercode; POS (90999) SEQID(656)
E 259	Found undefined lettercode; POS (91000) SEQID(656)
E 259	Found undefined lettercode; POS (91001) SEQID(656)
E 259	Found undefined lettercode; POS (91002) SEQID(656)
E 259	Found undefined lettercode; POS (91003) SEQID(656)
E 259	Found undefined lettercode; POS (91004) SEQID(656)
E 259	Found undefined lettercode; POS (91005) SEQID(656)
E 259	Found undefined lettercode; POS (91006) SEQID(656)
E 259	Found undefined lettercode; POS (91008) SEQID(656)
E 259	Found undefined lettercode; POS (91009) SEQID(656)
E 259	Found undefined lettercode; POS (91010) SEQID(656)
E 259	Found undefined lettercode; POS (91011) SEQID(656)
E 259	Found undefined lettercode; POS (91012) SEQID(656)
E 259	Found undefined lettercode; POS (91013) SEQID(656)

This error has occurred more than 20 times, will not be displayed

<210> 1
 <211> 1680
 <212> DNA
 <213> Cellulomonas strain 69B4

<400> 1
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 accagcacgc tcctaacctc cgagcacccg cgaccgcgcg gtgcgatgaa agggacgaac 180
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 cgtcctgtac gtgccacca ccgacgagga cgcgcgtcgag gaggtcgagg gcgaaggcgc 540
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 cgccgcctc gagggccacg acgacgtgcc cacctggtag gtgcagctcc cgaccaacag 660
 cgtcgtcgtc gccgtcaagg ccggagccca ggacgtcgcc gccggcctcg tcgaaggtag 720
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 cgacgtgatc ggcggaacg cctacaccat cggggggcgc agccgctgct cgatcggtt 840
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 caacccacc gggaccttcg ccgggtccag cttcccgggc aacgactacg cgttcgtccg 960
 tacggggcc ggcgtgaacc tgcctggcca ggtcaacaac tactccggtg gccgcgtcca 1020
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 cgggtggcac tgcggcacca tcaactgcgt caactcctcg gtcacctacc ccgagggcac 1140
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 gctcgccggc aaccaggccc agggcgctac gtccggcggc tccggcaact gccgcaccgg 1260
 tggcaccacg ttcttccagc cgggtcaaccc catcctccag gcgtacggcc tgaggatgat 1320
 caccacggac tcgggcagca gcccgggccc tgcaccgacc tcctgcaccg gctacgcccg 1380
 caccttcacc gggaccctcg cggccggccg ggccgcgc cagcccaacg ggtcctacgt 1440
 gcaggtcaac cgggtccggga cccacagcgt gtgcctcaac gggccctccg gtgcggactt 1500
 cgacctctac gtgcagcgt ggaacggcag ctctgggtg accgtcgccc agagcacctc 1560
 cccgggtcc aacgagacca tcacctaccg cggcaacgcc ggctactacc gctacgtggt 1620
 caacgcgcg tcgggtccg gtgcctacac catggggctc acctccctc gacgtagcgc 1680

<210> 2
 <211> 1488
 <212> DNA
 <213> Cellulomonas strain 69B4

<400> 2
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 ccacgcctgg ccgagaagct cgaccccgac ctctcgagg ccatggagcg cgacctgggc 180
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ggctccaacg	agaccatcac	ctaccgcggc	aacgcgggt	actaccgcta	cgtggtcaac	1440
gccgcgtccg	gctccggtgc	ctacaccatg	gggtcaccc	tccctga		1488

<210> 3

<211> 1404

<212> DNA

<213> Cellulomonas spp.

<400> 3

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accctggcgt	tccagcacga	cgcagccgag	accggcgagg	ccctcgccga	agagctcgac	180
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ggccactgcg	gccgcaccgg	cgccaccacc	gccaacccca	ccgggacctt	cgccgggtcc	660
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caggtcaaca	actactccgg	tggccgcgtc	caggtcgccg	ggcacaccgc	ggcccccgtc	780
ggctcggccg	tgtgccggtc	cgggtcgacc	accgggtggc	actgcggcac	catcactgcg	840
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accatggggc	tcacctccc	ctga				1404

<210> 4

<211> 567

<212> DNA

<213> Cellulomonas spp.

<400> 4

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gccaacccca	ccgggacctt	cgcgggtcc	agcttccccg	gcaacgacta	cgcgttcgtc	180
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accgtccgcg	gcctgatccg	caccaccgtc	tgcgccgagc	ccggcgactc	cggtggtcg	420
ctgctcgccg	gcaaccaggc	ccagggcgtc	acgtccggcg	gctccggcaa	ctgccgcacc	480
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atcaccacgg	actcgggcag	cagcccg				567

<210> 5
 <211> 83
 <212> DNA
 <213> Cellulomonas strain 69B4

<400> 5
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 caggcgcat gccgccag gcc 83

<210> 6
 <211> 495
 <212> PRT
 <213> Cellulomonas strain 69B4

<400> 6

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		20						25					30		
Pro	Pro	Gly	Ser	Ala	Ser	Ala	Pro	Pro	Arg	Leu	Ala	Glu	Lys	Leu	Asp
		35					40					45			
Pro	Asp	Leu	Leu	Glu	Ala	Met	Glu	Arg	Asp	Leu	Gly	Leu	Asp	Ala	Glu
	50					55					60				
Glu	Ala	Ala	Ala	Thr	Leu	Ala	Phe	Gln	His	Asp	Ala	Ala	Glu	Thr	Gly
65					70				75					80	
Glu	Ala	Leu	Ala	Glu	Glu	Leu	Asp	Glu	Asp	Phe	Ala	Gly	Thr	Trp	Val
			85					90					95		
Glu	Asp	Asp	Val	Leu	Tyr	Val	Ala	Thr	Thr	Asp	Glu	Asp	Ala	Val	Glu
			100					105					110		
Glu	Val	Glu	Gly	Glu	Gly	Ala	Thr	Ala	Val	Thr	Val	Glu	His	Ser	Leu
		115					120					125			
Ala	Asp	Leu	Glu	Ala	Trp	Lys	Thr	Val	Leu	Asp	Ala	Ala	Leu	Glu	Gly
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His	Asp	Asp	Val	Pro	Thr	Trp	Tyr	Val	Asp	Val	Pro	Thr	Asn	Ser	Val
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Val	Val	Ala	Val	Lys	Ala	Gly	Ala	Gln	Asp	Val	Ala	Ala	Gly	Leu	Val
			165					170					175		
Glu	Gly	Ala	Asp	Val	Pro	Ser	Asp	Ala	Val	Thr	Phe	Val	Glu	Thr	Asp
		180					185					190			
Glu	Thr	Pro	Arg	Thr	Met	Phe	Asp	Val	Ile	Gly	Gly	Asn	Ala	Tyr	Thr
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Ile	Gly	Gly	Arg	Ser	Arg	Cys	Ser	Ile	Gly	Phe	Ala	Val	Asn	Gly	Gly
	210				215					220					
Phe	Ile	Thr	Ala	Gly	His	Cys	Gly	Arg	Thr	Gly	Ala	Thr	Thr	Ala	Asn
225				230					235					240	
Pro	Thr	Gly	Thr	Phe	Ala	Gly	Ser	Ser	Phe	Pro	Gly	Asn	Asp	Tyr	Ala
			245					250					255		
Phe	Val	Arg	Thr	Gly	Ala	Gly	Val	Asn	Leu	Leu	Ala	Gln	Val	Asn	Asn
		260					265					270			
Tyr	Ser	Gly	Gly	Arg	Val	Gln	Val	Ala	Gly	His	Thr	Ala	Ala	Pro	Val
	275				280							285			
Gly	Ser	Ala	Val	Cys	Arg	Ser	Gly	Ser	Thr	Thr	Gly	Trp	His	Cys	Gly

290	295	300
Thr Ile Thr Ala Leu Asn Ser Ser Val Thr Tyr Pro Glu Gly Thr Val		
305	310	315
Arg Gly Leu Ile Arg Thr Thr Val Cys Ala Glu Pro Gly Asp Ser Gly		320
	325	330
Gly Ser Leu Leu Ala Gly Asn Gln Ala Gln Gly Val Thr Ser Gly Gly		335
	340	345
Ser Gly Asn Cys Arg Thr Gly Gly Thr Thr Phe Phe Gln Pro Val Asn		350
	355	360
Pro Ile Leu Gln Ala Tyr Gly Leu Arg Met Ile Thr Thr Asp Ser Gly		365
	370	375
Ser Ser Pro Ala Pro Ala Pro Thr Ser Cys Thr Gly Tyr Ala Arg Thr		380
385	390	395
Phe Thr Gly Thr Leu Ala Ala Gly Arg Ala Ala Ala Gln Pro Asn Gly		400
	405	410
Ser Tyr Val Gln Val Asn Arg Ser Gly Thr His Ser Val Cys Leu Asn		415
	420	425
Gly Pro Ser Gly Ala Asp Phe Asp Leu Tyr Val Gln Arg Trp Asn Gly		430
	435	440
Ser Ser Trp Val Thr Val Ala Gln Ser Thr Ser Pro Gly Ser Asn Glu		445
450	455	460
Thr Ile Thr Tyr Arg Gly Asn Ala Gly Tyr Tyr Arg Tyr Val Val Asn		
465	470	475
Ala Ala Ser Gly Ser Gly Ala Tyr Thr Met Gly Leu Thr Leu Pro		480
	485	490
		495

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 <213> Cellulomonas strain 69B4

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Asn Glu Pro Ala Pro Pro Gly Ser Ala Ser Ala Pro Pro Arg Leu Ala		
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Glu Lys Leu Asp Pro Asp Leu Leu Glu Ala Met Glu Arg Asp Leu Gly		
	20	25
Leu Asp Ala Glu Glu Ala Ala Ala Thr Leu Ala Phe Gln His Asp Ala		30
	35	40
Ala Glu Thr Gly Glu Ala Leu Ala Glu Glu Leu Asp Glu Asp Phe Ala		45
50	55	60
Gly Thr Trp Val Glu Asp Asp Val Leu Tyr Val Ala Thr Thr Asp Glu		
65	70	75
Asp Ala Val Glu Glu Val Glu Gly Glu Gly Ala Thr Ala Val Thr Val		80
	85	90
Glu His Ser Leu Ala Asp Leu Glu Ala Trp Lys Thr Val Leu Asp Ala		95
	100	105
Ala Leu Glu Gly His Asp Asp Val Pro Thr Trp Tyr Val Asp Val Pro		110
115	120	125
Thr Asn Ser Val Val Val Ala Val Lys Ala Gly Ala Gln Asp Val Ala		
130	135	140
Ala Gly Leu Val Glu Gly Ala Asp Val Pro Ser Asp Ala Val Thr Phe		
145	150	155
Val Glu Thr Asp Glu Thr Pro Arg Thr Met Phe Asp Val Ile Gly Gly		160
	165	170
Asn Ala Tyr Thr Ile Gly Gly Arg Ser Arg Cys Ser Ile Gly Phe Ala		175
	180	185
		190

	100		105		110										
Ser	Ser	Val	Thr	Tyr	Pro	Glu	Gly	Thr	Val	Arg	Gly	Leu	Ile	Arg	Thr
	115						120					125			
Thr	Val	Cys	Ala	Glu	Pro	Gly	Asp	Ser	Gly	Gly	Ser	Leu	Leu	Ala	Gly
	130					135					140				
Asn	Gln	Ala	Gln	Gly	Val	Thr	Ser	Gly	Gly	Ser	Gly	Asn	Cys	Arg	Thr
145					150					155				160	
Gly	Gly	Thr	Thr	Phe	Phe	Gln	Pro	Val	Asn	Pro	Ile	Leu	Gln	Ala	Tyr
			165					170				175			
Gly	Leu	Arg	Met	Ile	Thr	Thr	Asp	Ser	Gly	Ser	Ser	Pro			
	180						185								

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Met	Thr	Pro	Arg	Thr	Val	Thr	Arg	Ala	Leu	Ala	Val	Ala	Thr	Ala	Ala
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Ala	Thr	Leu	Leu	Ala	Gly	Gly	Met	Ala	Ala	Gln	Ala				
		20					25								

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19

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Asp Gly Trp Asp Cys Gly Thr Ile Thr Ala Leu Asn Ser Ser Val Thr
1 5 10 15
Tyr